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ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 10/700,837 11/03/2003 Elliot Yasnovsky 23867-08200 5781 **EXAMINER** 7590 08/11/2005 John Normile LE, KHANH H Jones Day LLC ART UNIT PAPER NUMBER 222 East 41st Street New York, NY 10017-6702 3622

DATE MAILED: 08/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
		10/700,837	YASNOVSKY ET AL.
	Office Action Summary	Examiner	Art Unit
		Khanh H. Le	3622
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).			
Status			
1)⊠	Responsive to communication(s) filed on 5/31/	<u>2005</u> .	
2a)⊠	·	action is non-final.	
3)			
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.			
Disposition of Claims			
4)⊠	☑ Claim(s) 3-94 is/are pending in the application.		
•	4a) Of the above claim(s) is/are withdrawn from consideration.		
5)□	5) Claim(s) is/are allowed.		
	Claim(s)49-94 is/are rejected.		
7) 🗌	Claim(s) is/are objected to.	1	
8) Claim(s) are subject to restriction and/or election requirement.			
Application Papers			
9)☐ The specification is objected to by the Examiner.			
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:			
 Certified copies of the priority documents have been received. 			
2. Certified copies of the priority documents have been received in Application No			
3. Copies of the certified copies of the priority documents have been received in this National Stage			
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.			
See the attached detailed Office action for a list of the certified copies not received.			
Attachmen	t(s) e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate
	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date <u>5/17/2005</u> .	5) Notice of Informal P 6) Other:	atent Application (PTO-152)
S. Patent and Trademark Office			

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DETAILED ACTION

1. This Office Action is responsive to the Correspondence dated 5/31/05. Claims 49~94 are pending and examined. Claims 49, 67, 92 are independent.

Response to Arguments

2. Applicants' arguments have been carefully considered but deemed unpersuasive. Arguments relating to the previous rejections are addressed under the respective headings.

As to arguments relating to the eCPm, from the portions of the specifications cited by the Applicants, exemplary language ("for example", "can be") is used to define eCPM, thus no "special definition" is made of eCPm. In order to be entitled to be a "special definition", the eCPM will have to defined more specifically such as defined by a definite formula.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 67-91 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 67: Despite the amendment, without a processor, a computer is still not claimed thus it is still not clear what is claimed.

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Further reciting that the memory "comprises an interface" instead of reciting, for example, that the "memory having stored therein" adds to the confusion. It is not clear how the memory interacts with the interface. Appropriate correction is required.

All claims dependent on claim 67 are also rejected because of the dependency.

Claim Rejections - 35 USC § 101

5. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. Response to Arguments

The previous rejections are maintained.

As to Claim 49, Applicants have added technology to the claim but it's trivial use of technology.

As to claim 67, the memory is not clearly computer readable thus the rejection under this section is maintained

7. Claims 49, 52-55, 57-58, 60-66 are rejected under 35 U.S.C. 101 because the claimed inventions are directed to non-statutory subject matters.

As an initial matter, the United States Constitution under Art. I, §8, cl. 8 gave Congress the power to "[p]romote the progress of science and useful arts, by securing for limited times to

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authors and inventors the exclusive right to their respective writings and discoveries". In carrying out this power, Congress authorized under 35 U.S.C. §101 a grant of a patent to "[w]hoever invents or discovers any new and useful process, machine, manufacture, or composition or matter, or any new and useful improvement thereof." Therefore, a fundamental premise is that a patent is a statutorily created vehicle for Congress to confer an exclusive right to the inventors for "inventions" that promote the progress of "science and the useful arts". The phrase "technological arts" has been created and used by the courts to offer another view of the term "useful arts". See In re Musgrave, 167 USPQ (BNA) 280 (CCPA 1970). Hence, the first test of whether an invention is eligible for a patent is to determine if the invention is within the "technological arts".

Further, despite the express language of §101, several judicially created exceptions have been established to exclude certain subject matter as being patentable subject matter covered by §101. These exceptions include "laws of nature", "natural phenomena", and "abstract ideas". See Diamond v. Diehr, 450, U.S. 175, 185, 209 USPQ (BNA) 1, 7 (1981). However, courts have found that even if an invention incorporates abstract ideas, such as mathematical algorithms, the invention may nevertheless be statutory subject matter if the invention as a whole produces a "useful, concrete and tangible result." See State Street Bank & Trust Co. v. Signature Financial Group, Inc. 149 F.3d 1368, 1973, 47 USPQ2d (BNA) 1596 (Fed. Cir. 1998).

This "two prong" test was evident when the Court of Customs and Patent Appeals (CCPA) decided an appeal from the Board of Patent Appeals and Interferences (BPAI). See In re Toma, 197 USPQ (BNA) 852 (CCPA 1978). In Toma, the court held that the recited mathematical algorithm did not render the claim as a whole non-statutory using the Freeman-Walter-Abele test as applied to Gottschalk v. Benson, 409 U.S. 63, 175 USPQ (BNA) 673 (1972). Additionally, the court decided separately on the issue of the "technological arts". The court developed a "technological arts" analysis:

The "technological" or "useful" arts inquiry must focus on whether the claimed subject matter...is statutory, not on whether the product of the claimed subject matter...is statutory, not on whether the prior art which the claimed subject matter purports to replace...is statutory, and not on whether the claimed subject matter is presently perceived to be an improvement over the prior art, e.g., whether it "enhances" the operation of a machine. In re Toma at 857.

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In Toma, the claimed invention was a computer program for translating a source human language (e.g., Russian) into a target human language (e.g., English). The court found that the claimed computer implemented process was within the "technological art" because the claimed invention was an operation being performed by a computer within a computer.

The decision in State Street Bank & Trust Co. v. Signature Financial Group, Inc. never addressed this prong of the test. In State Street Bank & Trust Co., the court found that the "mathematical exception" using the Freeman-Walter-Abele test has little, if any, application to determining the presence of statutory subject matter but rather, statutory subject matter should be based on whether the operation produces a "useful, concrete and tangible result". See State Street Bank & Trust Co. at 1374. Furthermore, the court found that there was no "business method exception" since the court decisions that purported to create such exceptions were based on novelty or lack of enablement issues and not on statutory grounds. Therefore, the court held that "[w]hether the patent's claims are too broad to be patentable is not to be judged under °101, but rather under §§102, 103 and 112." See State Street Bank & Trust Co. at 1377. Both of these analysis goes towards whether the claimed invention is non-statutory because of the presence of an abstract idea. Indeed, State Street abolished the Freeman-Walter-Abele test used in Toma. However, State Street never addressed the second part of the analysis, i.e., the "technological arts" test established in Toma because the invention in State Street (i.e., a computerized system for determining the year-end income, expense, and capital gain or loss for the portfolio) was already determined to be within the technological arts under the Toma test. This dichotomy has been recently acknowledged by the Board of Patent Appeals and Interferences (BPAI) in affirming a §101 rejection finding the claimed invention to be non-statutory. See Ex parte Bowman, 61 USPQ2d (BNA) 1669 (BdPatApp&Int 2001).

Thus the present basis for a 35 USC 101 inquiry is a two-prong test:

- (1) whether the invention is within the technological arts; and
- (2) whether the invention produces a useful, concrete, and tangible result.

As to the second prong of the test, for a claimed invention to be statutory, the claimed invention must produce a useful, concrete, and tangible result.

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In the present case, as to claim 49, the claimed invention produces receiving a request to initiate an ad campaign, reviewing the ad, and displaying the ad when the campaign is accepted (i.e., useful and tangible).

However claim 49, and its dependents 52-55, 57-58, 60-66 fail the first prong of the test. Under this test, for a process claim to pass muster under the "technological arts" prong, the recited process must somehow apply, involve, use, or advance the technological arts. In the present case, claims 49, 52-55, 57-58, 60-66 have no connection to the technological arts. The recited steps of merely receiving a request to initiate an ad campaign, reviewing the ad, and displaying the ad when the campaign is accepted does not apply, involve, use, or advance the technological arts in a non-trivial way since all of the recited steps can be performed in the mind of a person, by use of a pencil and paper, then manually and physically presenting to another person. "Receiving a request, over the Internet, "... is not sufficient to overcome this rejection since it is only a trivial use of technology such as sending a request by e-mail, while all the other steps as mentioned above may be mental or manual only.

Although the recited process produces a useful, concrete, and tangible result, since the claimed invention, as a whole, is not within the technological arts in a non-trivial way as explained above, claims 49, 52-55, 57-58, 60-66 are deemed to be directed to non-statutory subject matter.

To overcome this rejection the Examiner recommends that Applicant amend the claims to better clarify which of the steps are being performed within the technological arts, such as incorporating a computer network or electronic network **into some** of the steps; for example: "(a) receiving over a computer network a request to initiate an advertisement campaign... (b) using a computer, reviewing the advertisement.... c) displaying at an URL the advertisement ...". The other claims could be similarly amended to include a computer network or a computer, in a significant way, in at least some of the steps.

8. Claims 67-91 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

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As to claim 67 "the memory is not clearly computer readable thus the previous rejection as software per se, under this section, is maintained. See MPEP 2106 IV B 1 (a). All claims dependent on claim 67 are rejected on the same basis.

Claim Rejections - 35 USC § 102

9. Withdrawn in view of the amendments.

Claim Rejections - 35 USC § 103

- 10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 11. Claims 49-50, 54, 61-64, 66-72, 77, 85-88, 90-93 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown et al., US 6026368, herein Brown. in view of Sullivan, et al, US 20050010477 A1, herein Sullivan.

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A computer comprising:
a self-serve user interface comprising:
instructions for receiving a request, over the Internet, to initiate an

advertisement campaign, the request comprising'.

a designation of an advertisement to be used in the advertisement campaign, and

a time period in which the advertisement is to be run;

instructions for reviewing the advertisement, and,
when the advertisement is deemed not approved, the
advertisement campaign is rejected, and
when the advertisement is deemed approved, the
advertisement campaign is accepted (this is implied in Brown); and

instructions for displaying said advertisement, by posting at a predetermined URL, when the advertisement campaign is accepted, during said time period.

(see at least col. 23 lines 1 to col.24 lines 67).

As to new limitation of a maximum amount to spend on the advertisement campaign, Brown does not, but Sullivan discloses a marketing campaign management method wherein the cost of a particular mailing is monitored to see if it will exceed any budgetary constraints imposed on the campaign (see abstract, Fig 9, paragraph [0079]). The system calculates the current or remaining balance, positive or negative, after subtracting the fixed costs and package costs of the mailing from the budget amount. The mailing is stopped when the campaign budget or maximum is exceeded. Thus in the online ad context, it would have been obvious to add the method of Sullivan to Brown, to control the budget specified by the advertiser. As Sullivan teaches stopping mailings as the

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budget is exceeded, so one skilled in the art would have known to stop display of on-line ads for the same budget control purpose as taught by Sullivan.

As to claims 54, 77 (dependent on claims 49, 67 respectively),
Brown discloses
providing a plurality of time periods that are available for the advertisement;
and
accepting a selection of a time period in the plurality of time periods to run the
advertisement (see at least col. 12 lines 49-66).

As to claims 68 (dependent on claim 67) BROWN discloses a self-serve billing module coupled to the self-serve user interface for billing the originator of the request when the advertisement is displayed on the predetermined web site or on the web site specified by said request order (see at least Fig. 3 and associated text).

As to claims 69, 70, 71, 72. (dependent on claim 68, 69, 67, and 71 respectively) BROWN discloses

a system for managing information about the request; and an advertisement server for serving advertisements to the predetermined web site on the web site specified by the request (see at least col. 23 lines 1 to col. 24 lines 67).

aggregating data about advertisement serves and providing updates of such data to the contract management system (see at least col. 23 lines 1 to col.24 lines 67).

instructions for displaying on a predetermined web site or on a web site specified by said request during said time period (see at least col. 23 lines 1 to col.24 lines 67)... to a remote computer that displays said web site in an Internet browser running on said

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remote computer (see at least col. 23 lines 1 to col.24 lines 67).

As to claims 62-64, 86-88 (dependent on claims 61 and 85)

"as a function of the relevancy of the advertisement." in claims 61 or 85 is interpreted as to qualify "on a web site specified by the request". Since this branch of the two alternatives in claim 61, (to wit, " on a predetermined web site" vs. "on a web site specified by the request") was not chosen, it follows no prior art needs to be applied to " as a function of the relevancy of the advertisement." in claim 61. Thus no prior art needs to be applied to claims 62-64 that depend thereon either.

As to claims 66, 90 (dependent on claims 49, 67 respectively) Brown discloses wherein said advertisement is (i) text only, (ii) text and a URL link, (iii) an icon and a URL link, (iv) a banner ad, (v) a graphic, or (vi) a video (abstract).

As to claim 91, Brown discloses wherein said instructions for displaying said advertisement, when the advertisement campaign is accepted, during said time period comprise:

instructions for incorporating said advertisement into a web page; and instructions for serving said web page at a predetermined URL or at a URL specified by said request (abstract).

12. Claims 51, 57-59,60, 65, 73, 81-84,89, and 94 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown in view of Sullivan as well.

As to claims 51, 73, 94 (dependent on claims 49, 67 respectively),

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Official Notice is taken that it is well-known to display advertisements on wireless devices to take advantage of the new ubiquity of these mobile devices. it would have been obvious to one skilled in the art at the time the invention was made to add to the above teachings display advertisements on a predetermined wireless device or on a wireless device specified by said request during time period for the above-stated advantage.

As to claims 57, 81 (dependent on claims 49, and 67 respectively), Brown does not specifically disclose

displaying a summary of a plurality of advertising campaigns, each respective advertisement campaign in the plurality of advertising campaigns defining: a designation of one or more advertisements to be used in the respective advertisement campaign, and a time period in which an advertisement in the respective advertisement campaign is to be run.

However all the claimed data are non-functional data to which no patentable weight should be given. It would have been obvious to one skilled in the art at the time the invention was made to add any kind of non-functional data desired to the system of Brown as needed to convey any information needed. This does not change the operative steps of Brown method thus no patentable weight should be given thereto.

As to claim 60, and 84(dependent on claims 49 and 67), Official Notice is taken that it is well-known to set ad placement contract conditions at the time of request of service because of the value of a certain ad spots. This it would have been obvious to one skilled in the art at the time the invention was made to set a cost for said advertisement campaign by a time that the request is received as a complement to Brown's contract conditions (see fig. 10, item 310) for the above-stated advantage.

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As to claims 58-59, 82-83 (dependent on claims 57, 81) **Brown** does not specifically disclose

wherein a first advertising campaign in the plurality of advertising campaigns has a status and the step of displaying a summary of the plurality of advertising campaigns comprises displaying the status of the first advertising campaign; and wherein the method further comprises receiving instructions to change the status of the first advertising campaign from a first state to a second state,

and wherein the first state and the second state are
each independently an active state, a suspended state, or a cancelled state, wherein
when said state of said first advertising campaign is the active state, the one or
more advertisements specified by the first advertisement campaign are nm on a
predetermined web site or on a web site specified by the advertising campaign',
when said state of said first advertising campaign is the suspended state, the
one or more advertisements specified by the first advertisement campaign are not nm
on a predetermined web site or on a web site specified by the advertising campaign;
and

when said state of said first advertising campaign is the cancelled state, the first advertisement campaign is removed from the plurality of advertising campaigns.

However Official Notice is taken that it is well-known is taken that contracts status updating of several contracts in a system for management of contracts whereby the updated status, such as cancellation or modification, gives rise to appropriate action regarding the contract, is well-known as a standard contracts management procedure. Thus it would have been obvious to one skilled in the art at the time the invention was made to add such same features to Brown in the context of ad campaigns management for the above-stated advantages, and arrive at the claimed features.

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As to claims 65, 89 (dependent on claims 49, 67 respectively)

Brown does not specifically disclose

wherein said displaying (C) further comprises computing an effective cost per Mil (espy) for the advertisement. However effective cost per Mil (espy) is not specifically defined in the Specifications. Further Official Notice is taken that the cost per Mil (espy) for an ad is a well-known accounting measure of the effectiveness of an ad. It would have been obvious to one skilled in the art at the time the invention was made to add such measurements to the **Brown** system to report to advertisers the effectiveness of the campaign to supplement **Brown** 's accounting/reporting to advertisers procedures (see at least Fig. 1, item 30: "exposure accounting module" and associated text).

As to displaying said advertisement on a predetermined web site (Note no prior art is applied to the rest of the claim as it is not required, due to the use of the first "or" in the claim.)

13. Claims 52, 55-56, 74, 78-80 rejected under 35 U.S.C. 103(a) as being unpatentable over Brown in view of Sullivan as applied to claims 49 and/or 67 above, and further in view of Sparks, US 6167382.

As to claims 52, 74 (dependent on claims 49, 67 respectively),

Sparks discloses

providing templates for users to select and insert wherein ad information to design customized ads. It would have been obvious to one skilled in the art at the time the invention was made to add such features into the above teachings to allow design of customized ads as taught by Sparks.

As to claims 55, 78, 79, BROWN discloses the advertisement campaign comprises a plurality of advertisements, and

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providing an image of each advertisement in the plurality of advertisements in the advertisement campaign (see at least col.23 lines 55-56).; and

Sparks discloses

receiving instructions to edit the plurality of advertisements (abstract).

It would have been obvious to one skilled in the art at the time the invention was made to add such features of Sparks to BROWN to allow revisions of ads.

As to claims 56, 80, (dependent on claims 55, 78 respectively)
BROWN discloses
the instructions to edit the plurality of advertisements modify:
which advertisements are part of the plurality of advertisements,
a web page that an advertisement in the plurality of advertisements is posted to
when the advertisement is run; or
a time period in which an advertisement in the plurality of advertisements is
run on a web site (see at least col. 23 to col. 24).

14. Claims 53, 75, 76 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brown in view of Sullivan as applied to claims 59 and /or 74 above, and further in view of Witek et al., US 6253188.

As to claims 53, 75, 76 (dependent on claims 59, 74)

Brown does not specifically disclose but Witek discloses providing a preview of the advertisement designated by the request (see at least abstract). it would have been obvious to one skilled in the art at the time the invention was made to add Witek to Brown to allow editing of the ads.

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Conclusion

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15. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh H. Le whose telephone number is 571-272-6721. The Examiner works a part-time schedule and can normally be reached on Tuesday-Wednesday 9:00-6:00.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Eric Stamber can be reached on 571-272-6724. The fax phone numbers for the organization where this application or proceeding is assigned are **571-273-8300** for regular communications and for After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-3600. For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314).

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August 8, 2005

KHL

SAMES W. MYHRE PRIMARY EXAMINER